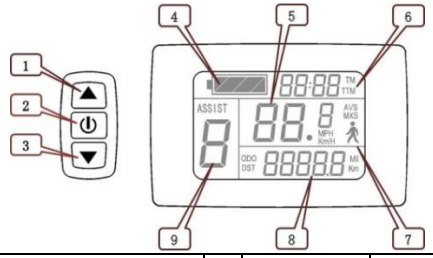
KT-LCD2 eBike Display User Manual

V2.5

Dear customer, please read this manual before you use KT-LCD2 instrument. The manual will guide you use the instrument correctly to achieve a variety of vehicle control and vehicle status display.

Functions and Display

Instruments using the structure form of instrument body portion and the operation buttons are designed separately.



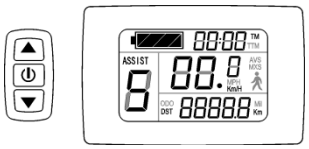
1	▲	UP Button	6	TM	Single trip time
2	⏻	SW Button		TTM	Total trip time
3	▼	DOWN Button	7	🚶	6Km/H push power assist
4	▰	Battery capacity indicator	8	Km	Distance(metric)
5	Km/H	Riding speed(metric)		Mil	Distance (imperial)
	MPH	Riding speed (**imperial**)		DST	Trip distance
	MXS	MAX speed		ODO	Total distance
	AVS	Average speed	9	ASSIST	Pas level

Operation

1. ON/OFF

Hold ⏻ button long to turn on the power, and hold ⏻ long for a second time to turn off the power. When the motor stops driving and when the e-bike is not used for a consecutive 5 minutes, it will automatically shut down and turn off the motor power supply.

2. Display interface

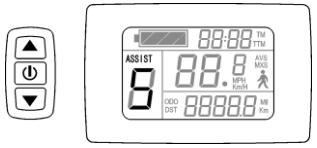


Hold ⏻ button to start up and enter display interface.

2.1 Turn on backlight and headlights

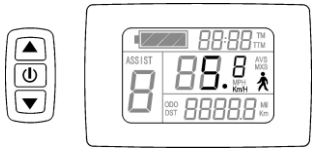
Hold ▲ long to turn on backlight and headlights (the controller should have headlight drive output function); hold ▲ long again to turn off the backlight and headlights.

2.2 Assist ratio gear (ASSIST) switch



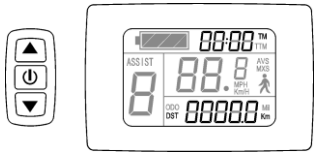
Hold ▲ or ▼ shortly to switch 1-5 file gear. Gear 1 is for the minimum power, gear 5 is for the highest power. Each startup will automatically restore the gear shutdown last time. Gear 0 is without booster function.

2.3 6Km/H assist promotion function



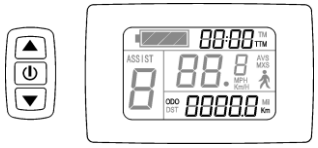
Hold ▼ and 🚶 flashes, the vehicle drives at the speed not more than 6Km/h. Release ▼ button, the function is invalid.

2.4 Display and delete of single data



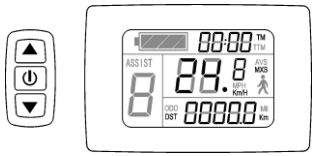
After power on for 5 seconds, hold ▲ and ▼ at the same time, single trip riding time (TM) and single trip distance (DST) flash, hold ⏻ button shortly, the content of both is cleared. If failed holding the button within 5 seconds, it will automatically return the display interface after 5 seconds, original content is preserved.

2.5 Display of total trip time and distance



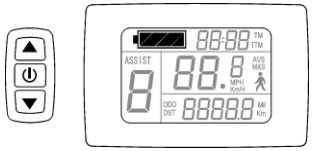
Hold ⏻ button shortly to display of total trip time (TTM) and total trip distance (ODO). hold ⏻ button shortly again to return the display interface. In the riding mode after 5 seconds, automatically returns to display interface.

2.6 Display of single maximum speed and average speed



In the display of total trip time and distance, hold ▲ or ▼ shortly to display of single maximum speed (MXS)and average speed (AVS). hold ⏻ button shortly again to return the display interface. In the riding condition, 5 seconds later, automatically returns to display interface.

2.7 Battery capacity indicator display

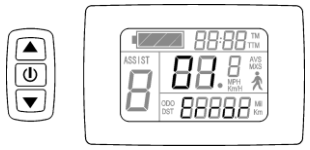


The meter can automatically identify the battery capacity when the battery capacity indicator is supporting use with the

specified controller. When the battery capacity is over 70%, the four power displays of the meter are lit, and the battery capacities drop, the four power displays are off in order, when the power capacity is less than 15%, the four power displays are totally turned off. When the controller is under the protection of voltage shortage, the power capacity indicator flashes, indicating the vehicle is under voltage shortage and power off.

3. Error Code display

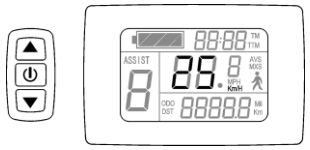
Electronic control system failure will display (flashing) fault code. Once the fault was removed, it automatically exits from the fault code display interface.



Error Code	Definition
01__info	Throttle Abnormality
03__info	Motor hall signal Abnormality
04__info	Torque sensor signal Abnormality
05__info	Axis speed sensor Abnormality(only applied to torque sensor)
06__info	Motor or controller has short circuit Abnormality

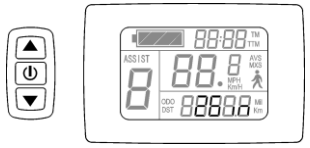
General Project Setting

1. Set maximum riding speed



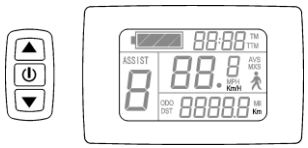
After power on for 5 seconds, hold ▲ and ▼ at the same time, maximum riding speed Km/H flash, hold ▲ or ▼ shortly to set the maximum riding speed (default 25Km/H). Hold ⏻ button shortly and go to the next parameter settings.

2. Wheel diameter setting



The wheel diameter will be set after finishing setting the maximum riding speed, wheel diameter specifications flashes. Hold ▲ or ▼ shortly to set the specifications of wheel diameter. Select the range8,10,12,14,16,18,20,22,24,26,700c and 28 inches. Hold ⏻ button shortly and go to the next parameter settings.

3. Set the metric units



The metric units will be set after finishing setting wheel diameter, Km/H and Km or MPH and Mil flash. Hold ▲ or ▼ shortly and select the metric units of speed and mileage in synchronization.

Display	Metric	**Imperial**
Riding speed	Km/H	MPH
Total distance	Km	Mil

4. Hold ⏻ button shortly, Km/H and Km or MPH and Mil stop flash after metric unit setting is completed. Hold ⏻ button shortly again to re-enter the maximum riding speed setting interface; or hold ⏻ button long to exit from setting environment of routine projects and save the setting values, returning to display interface.

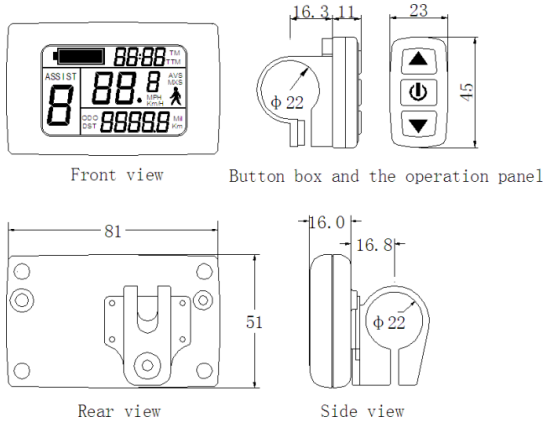
5. Exit from routine project setting

All three routine project settings can exit from the setting environment and return to the display if hold ⏻ button long after each setting is completed, meanwhile the setting values are saved.

Under each setting interface, if the button failed holding for more than 1 minute, it will automatically return to display interface, and the setting value is invalid.

Outline Drawings and Dimensions

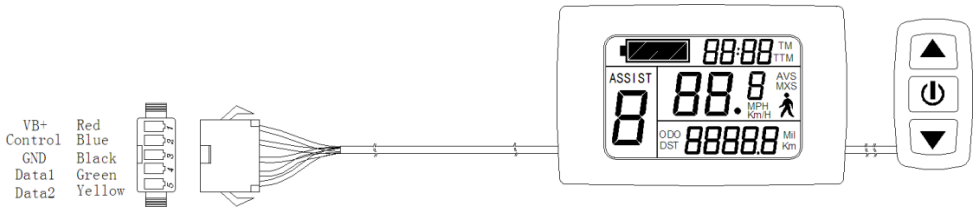
1. Dimensions of instrument body



Front view　Button box and the operation panel

Rear view　Side view

2. Wiring diagram



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